

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/565,741  
Source: IFWP  
Date Processed by STIC: 1-30-06

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 01/30/2006

PATENT APPLICATION: US/10/565,741

TIME: 15:46:31

Input Set : F:\ARS-120-Sequence Listing.txt

Output Set: N:\CRF4\01302006\J565741.raw

3 <110> APPLICANT: Applied Research Systems ARS Holding N.V.  
 5 <120> TITLE OF INVENTION: USE OF SOLUBLE CD164 IN INFLAMMATION AND/OR AUTOIMMUNE  
 DISORDERS  
 7 <130> FILE REFERENCE: PCT883  
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/565,741  
 C--> 9 <141> CURRENT FILING DATE: 2006-01-23  
 9 <160> NUMBER OF SEQ ID NOS: 8  
 11 <170> SOFTWARE: PatentIn version 3.2  
 13 <210> SEQ ID NO: 1  
 14 <211> LENGTH: 140  
 15 <212> TYPE: PRT  
 16 <213> ORGANISM: homo sapiens  
 19 <220> FEATURE:  
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 21 <222> LOCATION: (1)..(140)  
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 25 <222> LOCATION: (3)..(3)  
 27 <220> FEATURE:  
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 29 <222> LOCATION: (9)..(9)  
 31 <220> FEATURE:  
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 33 <222> LOCATION: (11)..(11)  
 35 <220> FEATURE:  
 W--> 36 <221> NAME/KEY: O-LINKED  
 37 <222> LOCATION: (12)..(12)  
 39 <220> FEATURE:  
 W--> 40 <221> NAME/KEY: O-LINKED  
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 W--> 44 <221> NAME/KEY: N-LINKED-GLCNAC  
 45 <222> LOCATION: (18)..(18)  
 47 <220> FEATURE:  
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 53 <222> LOCATION: (21)..(21)  
 55 <220> FEATURE:  
 W--> 56 <221> NAME/KEY: O-LINKED  
 57 <222> LOCATION: (25)..(25)  
 59 <220> FEATURE:  
 W--> 60 <221> NAME/KEY: O-LINKED

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Input Set : F:\ARS-120-Sequence Listing.txt

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61 <222> LOCATION: (26) .. (26)  
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65 <222> LOCATION: (31) .. (31)  
67 <220> FEATURE:  
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69 <222> LOCATION: (32) .. (32)  
71 <220> FEATURE:  
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73 <222> LOCATION: (49) .. (49)  
75 <220> FEATURE:  
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77 <222> LOCATION: (54) .. (54)  
79 <220> FEATURE:  
W--> 80 <221> NAME/KEY: N-LINKED-GLCNAC  
81 <222> LOCATION: (71) .. (71)  
83 <220> FEATURE:  
W--> 84 <221> NAME/KEY: CK2-PHOSPHO-SITE  
85 <222> LOCATION: (73) .. (76)  
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89 <222> LOCATION: (81) .. (81)  
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W--> 92 <221> NAME/KEY: O-LINKED  
93 <222> LOCATION: (89) .. (89)  
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W--> 96 <221> NAME/KEY: O-LINKED  
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107 <220> FEATURE:  
W--> 108 <221> NAME/KEY: N-LINKED-GLCNAC  
109 <222> LOCATION: (98) .. (98)  
111 <220> FEATURE:  
W--> 112 <221> NAME/KEY: O-LINKED  
113 <222> LOCATION: (99) .. (99)  
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121 <222> LOCATION: (100) .. (102)  
123 <220> FEATURE:  
W--> 124 <221> NAME/KEY: O-LINKED  
125 <222> LOCATION: (104) .. (104)

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Input Set : F:\ARS-120-Sequence Listing.txt

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127 <220> FEATURE:  
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133 <222> LOCATION: (110) .. (110)  
135 <220> FEATURE:  
W--> 136 <221> NAME/KEY: O-LINKED  
137 <222> LOCATION: (111) .. (111)  
139 <220> FEATURE:  
W--> 140 <221> NAME/KEY: O-LINKED  
141 <222> LOCATION: (112) .. (112)  
143 <220> FEATURE:  
W--> 144 <221> NAME/KEY: PKC-PHOSPHO-SITE  
145 <222> LOCATION: (112) .. (114)  
147 <220> FEATURE:  
W--> 148 <221> NAME/KEY: O-LINKED  
149 <222> LOCATION: (113) .. (113)  
151 <220> FEATURE:  
W--> 152 <221> NAME/KEY: O-LINKED  
153 <222> LOCATION: (115) .. (115)  
155 <220> FEATURE:  
W--> 156 <221> NAME/KEY: O-LINKED  
157 <222> LOCATION: (117) .. (117)  
159 <220> FEATURE:  
W--> 160 <221> NAME/KEY: O-LINKED  
161 <222> LOCATION: (118) .. (118)  
163 <220> FEATURE:  
W--> 164 <221> NAME/KEY: O-LINKED-GLYCOSAMINOGLYCAN  
165 <222> LOCATION: (119) .. (119)  
167 <220> FEATURE:  
W--> 168 <221> NAME/KEY: MYRISTYL  
169 <222> LOCATION: (120) .. (125)  
171 <220> FEATURE:  
W--> 172 <221> NAME/KEY: O-LINKED  
173 <222> LOCATION: (121) .. (121)  
175 <220> FEATURE:  
W--> 176 <221> NAME/KEY: O-LINKED  
177 <222> LOCATION: (122) .. (122)  
179 <220> FEATURE:  
W--> 180 <221> NAME/KEY: N-LINKED-GLCNAC  
181 <222> LOCATION: (123) .. (123)  
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W--> 184 <221> NAME/KEY: O-LINKED  
185 <222> LOCATION: (125) .. (125)  
187 <220> FEATURE:  
W--> 188 <221> NAME/KEY: O-LINKED  
189 <222> LOCATION: (127) .. (127)  
191 <220> FEATURE:

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W--> 192 <221> NAME/KEY: O-LINKED
      193 <222> LOCATION: (129)..(129)
      195 <220> FEATURE:
W--> 196 <221> NAME/KEY: O-LINKED
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      199 <220> FEATURE:
W--> 200 <221> NAME/KEY: CAMP-PHOSPHO-SITE
      201 <222> LOCATION: (134)..(137)
      203 <220> FEATURE:
W--> 204 <221> NAME/KEY: O-LINKED
      205 <222> LOCATION: (136)..(136)
      207 <220> FEATURE:
W--> 208 <221> NAME/KEY: CK2-PHOSPHO-SITE
      209 <222> LOCATION: (136)..(139)
      211 <400> SEQUENCE: 1
      213 Asp Lys Asn Thr Thr Gln His Pro Asn Val Thr Thr Leu Ala Pro Ile
      214 1 5 10 15
      217 Ser Asn Val Thr Ser Ala Pro Val Thr Ser Leu Pro Leu Val Thr Thr
      218 20 25 30
      221 Pro Ala Pro Glu Thr Cys Glu Gly Arg Asn Ser Cys Val Ser Cys Phe
      222 35 40 45
      225 Asn Val Ser Val Val Asn Thr Thr Cys Phe Trp Ile Glu Cys Lys Asp
      226 50 55 60
      229 Glu Ser Tyr Cys Ser His Asn Ser Thr Val Ser Asp Cys Gln Val Gly
      230 65 70 75 80
      233 Asn Thr Thr Asp Phe Cys Ser Val Ser Thr Ala Thr Pro Val Pro Thr
      234 85 90 95
      237 Ala Asn Ser Thr Ala Lys Pro Thr Val Gln Pro Ser Pro Ser Thr Thr
      238 100 105 110
      241 Ser Lys Thr Val Thr Thr Ser Gly Thr Thr Asn Asn Thr Val Thr Pro
      242 115 120 125
      245 Thr Ser Gln Pro Val Arg Lys Ser Thr Phe Asp Ala
      246 130 135 140
      249 <210> SEQ ID NO: 2
      250 <211> LENGTH: 146
      251 <212> TYPE: PRT
      252 <213> ORGANISM: homo sapiens
      254 <400> SEQUENCE: 2
      256 Asp Lys Asn Thr Thr Gln His Pro Asn Val Thr Thr Leu Ala Pro Ile
      257 1 5 10 15
      260 Ser Asn Val Thr Ser Ala Pro Val Thr Ser Leu Pro Leu Val Thr Thr
      261 20 25 30
      264 Pro Ala Pro Glu Thr Cys Glu Gly Arg Asn Ser Cys Val Ser Cys Phe
      265 35 40 45
      268 Asn Val Ser Val Val Asn Thr Thr Cys Phe Trp Ile Glu Cys Lys Asp
      269 50 55 60
      272 Glu Ser Tyr Cys Ser His Asn Ser Thr Val Ser Asp Cys Gln Val Gly
      273 65 70 75 80
      276 Asn Thr Thr Asp Phe Cys Ser Val Ser Thr Ala Thr Pro Val Pro Thr

```

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```

277          85          90          95
280 Ala Asn Ser Thr Ala Lys Pro Thr Val Gln Pro Ser Pro Ser Thr Thr
281          100          105          110
284 Ser Lys Thr Val Thr Thr Ser Gly Thr Thr Asn Asn Thr Val Thr Pro
285          115          120          125
288 Thr Ser Gln Pro Val Arg Lys Ser Thr Phe Asp Ala His His His His
289          130          135          140
292 His His
293 145
296 <210> SEQ ID NO: 3
297 <211> LENGTH: 197
298 <212> TYPE: PRT
299 <213> ORGANISM: homo sapiens
301 <400> SEQUENCE: 3
303 Met Ser Arg Leu Ser Arg Ser Leu Leu Trp Ala Ala Thr Cys Leu Gly
304 1          5          10          15
307 Val Leu Cys Val Leu Ser Ala Asp Lys Asn Thr Thr Gln His Pro Asn
308          20          25          30
311 Val Thr Thr Leu Ala Pro Ile Ser Asn Val Thr Ser Ala Pro Val Thr
312          35          40          45
315 Ser Leu Pro Leu Val Thr Thr Pro Ala Pro Glu Thr Cys Glu Gly Arg
316          50          55          60
319 Asn Ser Cys Val Ser Cys Phe Asn Val Ser Val Val Asn Thr Thr Cys
320 65          70          75          80
323 Phe Trp Ile Glu Cys Lys Asp Glu Ser Tyr Cys Ser His Asn Ser Thr
324          85          90          95
327 Val Ser Asp Cys Gln Val Gly Asn Thr Thr Asp Phe Cys Ser Val Ser
328          100          105          110
331 Thr Ala Thr Pro Val Pro Thr Ala Asn Ser Thr Ala Lys Pro Thr Val
332          115          120          125
335 Gln Pro Ser Pro Ser Thr Thr Ser Lys Thr Val Thr Thr Ser Gly Thr
336          130          135          140
339 Thr Asn Asn Thr Val Thr Pro Thr Ser Gln Pro Val Arg Lys Ser Thr
340 145          150          155          160
343 Phe Asp Ala Ala Ser Phe Ile Gly Gly Ile Val Leu Val Leu Gly Val
344          165          170          175
347 Gln Ala Val Ile Phe Phe Leu Tyr Lys Phe Cys Lys Ser Lys Glu Arg
348          180          185          190
351 Asn Tyr His Thr Leu
352          195
355 <210> SEQ ID NO: 4
356 <211> LENGTH: 184
357 <212> TYPE: PRT
358 <213> ORGANISM: homo sapiens
360 <400> SEQUENCE: 4
362 Met Ser Arg Leu Ser Arg Ser Leu Leu Trp Ala Ala Thr Cys Leu Gly
363 1          5          10          15
366 Val Leu Cys Val Leu Ser Ala Asp Lys Asn Thr Thr Gln His Pro Asn
367          20          25          30

```

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 01/30/2006  
PATENT APPLICATION:    US/10/565,741      TIME: 15:46:32

Input Set : F:\ARS-120-Sequence Listing.txt  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:7; Xaa Pos. 174,177,186,189

## VERIFICATION SUMMARY

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Input Set : F:\ARS-120-Sequence Listing.txt

Output Set: N:\CRF4\01302006\J565741.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No  
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:20 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:24 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:28 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:32 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:36 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:40 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:44 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:48 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:52 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:56 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:60 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:64 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:68 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:72 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:76 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
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L:84 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
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L:92 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:96 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:100 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
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L:116 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:120 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
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L:128 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:132 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
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L:144 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
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L:152 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
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L:160 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:164 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:168 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:172 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:176 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:180 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:184 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:188 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:192 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:196 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:200 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1



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L:204 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:208 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:476 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6  
L:480 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6  
L:761 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:160  
M:341 Repeated in SeqNo=7